

FHR Polypropylene P6G2Z-090

Polypropylene Impact Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Impact Copolymer
FEATURES: Excellent impact strength and weldability. Product does not contain animal derived components.
APPLICATIONS: Injection molding and thermoforming: Automotive coolant bottles

General Information			
UL YellowCard	E336707-100613170		
Features	High Impact Resistance		
	Impact Copolymer		
	No Animal Derived Components		
	Weldable		
Uses	Automotive Applications		
	Bottles		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1170	MPa	ASTM D638
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Break)	> 700	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Gardner Impact (-18°C)	> 36.0	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Flammability	Nominal Value		Test Method

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